

Title (en)
COLOR DISPLAY TUBE WITH IMPROVED COLOR SELECTION ELECTRODE

Title (de)
FARBILDRÖHRE MIT VERBESSERTER LOCHMASKE

Title (fr)
TUBE D'AFFICHAGE DE COULEURS EQUIPE D'UNE ELECTRODE A SELECTION DE COULEURS AMELIOREE

Publication
EP 1430505 A2 20040623 (EN)

Application
EP 02762689 A 20020904

Priority

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Abstract (en)
[origin: WO03023810A2] In color display tubes (1) the color purity performance is of the utmost importance. One of the factors adversely affecting this color purity performance is the microphony behavior of the shadow mask (13). Vibrations or shocks coming from outside the color display tube (1) can be transferred to the shadow mask (13) via the suspension means (20) of the color selection electrode (12). By introducing a vibration damping element (40, 45) coupled to the resilient element (30) of the suspension means (20), the amount of spot shift on the screen (6) due to these vibrations is reduced by at least 50%. The vibration damping element (40, 45) is preferably a flat plate which is rigidly coupled with one side to the suspension means (20), while the other side is in close contact with the resilient element (30), as a result of which it is capable of absorbing said vibrations.

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See references of WO 03023810A2

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